

What is claimed is:

1. A heparin-polyoxyalkylenepolyamine adduct.
2. The adduct of claim 1 wherein the adduct is organic soluble.
- 5 3. The adduct of claim 1 wherein the adduct is a quaternary ammonium complex.
4. The adduct of claim 1 wherein the adduct is preparable by reacting
10 periodate heparin with a polyoxyalkylenepolyamine.
5. The adduct of claim 1 wherein the polyoxyalkylenepolyamine is selected from the group consisting of polyoxyethylenepolyamine, polyoxypropylenepolyamine, poly(oxyethylene-co-
15 oxypropylene)polyamine, and combinations thereof.
6. A composition comprising a heparin-polyoxyalkylenepolyamine adduct and an organic solvent.
- 20 7. The composition of claim 6 wherein the adduct is organic soluble.
8. The composition of claim 6 further comprising a polysiloxane.
9. An object comprising a coating layer, wherein the coating layer
25 comprises a heparin-polyoxyalkylenepolyamine adduct.
10. The object of claim 9 wherein the coating layer further comprises a polysiloxane.
- 30 11. The object of claim 9 wherein the object is a medical device.

12. A method for preparing a heparin-polyoxyalkylenepolyamine adduct comprising:

adding a heparin salt to a periodate solution to give a periodate heparin solution; and

5 adding a polyoxyalkylenepolyamine and a reducing agent to the periodate heparin solution to give a solution of the adduct.

13. The method of claim 12 further comprising dialyzing the solution of the adduct against a solution comprising quaternary ammonium cations.

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14. A method for preparing a medical device comprising:

providing a body of the medical device;

applying a composition to coat the body of the medical device, the composition comprising a heparin-polyoxyalkylenepolyamine adduct and

15 an organic solvent; and

drying the coated medical device.

15. A composition comprising:

a quaternary ammonium heparin complex;

20 a moisture curable polysiloxane; and

an organic solvent.

16. The composition of claim 15 wherein the quaternary ammonium heparin complex is selected from the group consisting of benzalkonium

25 heparin complexes, stearyldimethylbenzylammonium heparin complexes, tridodecylmethylammonium heparin complexes; tetradodecylammonium

heparin complexes, benzalkonium heparin-polyoxyalkylenepolyamine adduct complexes, stearyldimethylbenzylammonium heparin-polyoxyalkylenepolyamine adduct complexes,

30 tridodecylmethylammonium heparin-polyoxyalkylenepolyamine adduct complexes, tetradodecylammonium heparin-polyoxyalkylenepolyamine adduct complexes, and combinations thereof.

17. An object comprising a quaternary ammonium heparin complex and a cured silicone.
- 5 18. The object of claim 17 wherein the object is a medical device.
19. The object of claim 17 wherein the quaternary ammonium heparin complex is selected from the group consisting of benzalkonium heparin complexes, stearyl dimethylbenzylammonium heparin complexes,
- 10 tridodecylmethylammonium heparin complexes; tetradodecylammonium heparin complexes, benzalkonium heparin-polyoxyalkylenepolyamine adduct complexes, stearyl dimethylbenzylammonium heparin-polyoxyalkylenepolyamine adduct complexes,
- 15 tridodecylmethylammonium heparin-polyoxyalkylenepolyamine adduct complexes, tetradodecylammonium heparin-polyoxyalkylenepolyamine adduct complexes, and combinations thereof.
20. A method for preparing a medical device comprising:
- 20 providing a body of the medical device;
- applying a composition to coat the body of the medical device, the composition comprising a quaternary ammonium heparin complex, a moisture curable polysiloxane, and an organic solvent; and
- drying the coated medical device.